PROJECT MANGEMENT PLAN EXAMPLES

Facility End State Decisions Examples

Example 3

3.0 POST DEACTIVATION END STATE VISION

The Heavy Water Facility is scheduled to cease moderator operations and commence final shutdown of moderator processing and processing support systems. The Heavy Water Facility and supporting facilities will be declared excess. Deactivation will place the facilities into a passively safe, minimal cost, long term S&M mode. At the end of the deactivation period, the facilities will be categorized "Radiological" and "Other Industrial Use". The following deactivation end state is envisioned:

Moderator Processing and Moderator Storage Buildings

The deactivation of the moderator processing and storage buildings will remove the moderator storage drums located in the 421-D drum storage area, the 421-2D drum storage area, and the 421-4D drum storage building and will drain the distillation tower bases, process vessels and tanks, process piping, and instrumentation. Standing liquid holdup in the 420-D Rework Unit and DWP distillation tower trays will be removed.

Remaining process equipment inside and outside the buildings will be abandoned in place with no identified requirements to remove. Chemicals, bottled gases, and wastes will be removed. Utilities including: process raw water, domestic water, demineralized water, stem plant air, instrument air, and electricity will be isolated from these buildings with no provisions to supply these services in the future. Mission-critical spare parts, systems, equipment, and supplies not required for future S&M will be identified and removed. Telecommunication services to the excess buildings will be removed.

Process Sewer Effluent Water Monitor Building

Process Sewer Effluent Water monitoring equipment will be deactivated with no identified requirements to remove except for certain equipment within the Tritium Effluent Water Monitor (TEWM) cabinet which will be removed and turned over to SRTC. Spare parts and waste will be removed from the building. Electricity and telecommunications services, the only utilities provided to 420-3D, will be removed. No provisions will be made to supply these services in the future.

Breathing Air Systems

The portable breathing air systems will be disconnected from the system manifolds and returned to A&ID/Central Services Works Engineering (CSWE). The "Aeroflow" breathing air system will be deactivated with its electrical supply deenergized. The Aeroflow skid is transportable and will be listed with Property Management for potential reuse.

Portable Buildings

Seatrain PB-00268 contains radiological waste. The waste and seatrain will be removed from 400-D. The 421-7D trailer will have its electrical and telecommunications services isolated and will be declared excess. The seatrains on the east side of 421-4D (SRS-PB-00285 and SRS-PB-00267) currently contain approximately 130 stainless steel moderator drums which have been digitally radiographed. These drums will be removed from the seatrains. The other seatrains, PB-00288, PB-01394, PB-00285 and. PB-OM67, will be emptied and left in place or returned to the site seatrain pool. 772-2D, 772-3D, PB-00270, PB- 01364, and the two vacuum drying support buildings will be emptied, deenergized (if supplied with power), and left in place or returned to the site portable building pool.

Analytical Laboratory, Equipment Storage, and Administrative Buildings

Moderator remaining in the laboratory area, including any lab waste drums, will be removed. Remaining installed equipment inside the buildings will be abandoned in place with no identified requirements to remove. Chemicals, radiological sources, and waste materials will be removed. Mission-critical spare parts, systems, equipment, and supplies will be identified and will be redeployed. Utilities will be isolated from these buildings with no provisions to supply these services in the future.

Emergency Diesel Generator

The 501-D emergency diesel will be listed with Property Management for potential reuse. The generator will be deactivated in 400-D or will be completely removed. The generator output conductors will be disconnected.

Miscellaneous and Abandoned Support Buildings and Structures

The miscellaneous and abandoned support buildings and structures will remain essentially unaffected by deactivation activities. The alternate control room in 411-D will be turned over to TSD/ES SRS Fire Department. The area safety sign 51-1D will be electrically isolated and abandoned in place.

All 400-D Excess Facilities

The 400-D excess facilities will be in a stable and passive state for minimal future S&M. The S&M activities will consist of monthly and quarterly inspections to ensure that the facilities remain in a stable condition, and that the intrusion of rainwater, animals, vermin, and unauthorized persons is precluded. Freeze protection measures will not be required following deactivation.

Example 4

2.3 OVERALL PROJECT (9206 COMPLEX) END STATE

The overall end state of the 9206 Complex Phase Out/Deactivation Project is an unoccupied, locked facility in a non-Material Access Area (MAA) status. The facility will contain very few active systems or utilities (possibly heating, ventilating and air conditioning [HVAC] and dry fire system), if any, except for surveillance lighting and any necessary monitoring instrumentation. Residual minimal nuclear and chemical hazards will remain. Routine S&M will only be required on a quarterly basis.

Example 5

4.0 PROJECT APPROACH

The overall goal of the Building 776/777 Closure Project is to have all buildings within the Cluster emptied and demolished to slab on grade, with subsurface penetrations capped. The project will then be transitioned to the Environmental Restoration Program for IHSS remediation. The decommissioning planning process for the Building 776/777 Cluster has been completed and the costs and schedules are included in the CPB. During the course of the project, there will be cases where circumstances differ from those predicted. The flexibility to revise planned activities is essential to the successful management of this project.